

UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231



JUNE 28, 2004

PTAS

MARGER JOHNSON & MCCOLLOM, PC ALEXANDER C. JOHNSON, JR. 1030 S.W. MORRISON STREET PORTLAND, OR 97205

7000945734

COPY OF ORIGINAL ASSIGNMENT DO NOT RECORD

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/25/2004

REEL/FRAME: 014784/0580

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 585432

ASSIGNOR:

FURUKAWA, KENICHI

COPY OF ORIGINAL ASSIGNMENTO04 DOC DAMOTON COLUMNO

ASSIGNOR:

MAEKAWA, YUICHI

DOC DATE: 04/30/2004

ASSIGNEE:

MITSUMI ELECTRIC CO., LTD. 2-11-2, TSURUMAKI TAMA-SHI, TOKYO, JAPAN 206-8567

SERIAL NUMBER: 10815175

FILING DATE: : 03/26/2004

ISSUE DATE:

PATENT NUMBER: TITLE: METHOD FOR ADJUSTING FOCUS BIAS IN OPTICAL DISC DRIVE AND OPTICAL

DISC DRIVE THAT CAN IMPLEMENT THE METHOD

COPY OF ORIGINAL ASSIGNMENT TO NOT RECORD

5032744622

6/28/04 5:00 PAGE 3/4

MARGER JOHNSON & MCC RightFAX

PAGE 05

014784/0580 PAGE 2

SAUNDRA BALLENGER, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

COPY OF ORIGINAL ASSIGNMENT DO NOT RECORD

5032744622

MARGER JOHNSON & MCC

PAGE 06

6/28/04 5:00

PAGE 4/4

RightFAX

.

OPR/ASSIGNMENTS 06/25/2004 16:29

503274 33

06/25/2004 JOHNSON &

PAGE 01

Certificate of Facsimile Transmission

I hereby certify that the attached Transmittal Letter and Assignment's being facsimile transmitted to the Assignment Division of the Patent and Trademark Office (Phone No. (703) 306-5395) on the date shown below. (Total pages transmitted is 4 -including this one).

Date:

June 25, 2004

Alexander C. Johnson, Jr. Reg. No. 29,396

700094573

PATENT APPLICATION Do. No. 5854-32 (MFM-72-US)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

KENICHI FURUKAWA; YUICHI MAEKAWA

Secial No.: 10/815,175 Filed: March 26, 2004

Filed: March 26, 2004 For: METHOD FOR ADJUSTING FOCUS BLAS IN OPTICAL DISC. ERIVE AND OPTICAL DISC DRIVE THAT CAN IMPLEMENT THE METHOD

Mail Stop Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, Virginia 23313-1450

Please record the attached original document or copy thereof and return the recorded instrument to the undersigned.

- Name of party conveying an interest: (1) KENICHI FURUKAWA, e/o Mitsumi Electric Co., Ltd., Atsugi
 Operations Base, 1601, Sakai, Atsugi-shi, Kanagawa, 243-8533, Japan; (2) YUICHI MAEKAWA, e/o Mitsumi
 Electric Co., Ltd., Atsugi Operations Base, 1601, Sakai, Atsugi-shi, Kanagawa, 243-8533, Japan
- Name and address of party receiving an interest: MITSUMI ELECTRIC CO., LTD., a Japanese corporation, 2-11-2, Tsurumaki, Tama-shi, Tokyo, 206-8567, Japan
- 3. Description of the interest conveyed: Assignment

Date of execution of attached document: (1) April 1, 2004; (2) April 30, 2004

- 4. Patent Application Serial No. 10/815,175 Additional sheet attached? No
- 5. Name and address of party to whom correspondence concerning document should be matted:

MARGER JOHNSON & McCOLLOM, P.C.

1030 S.W. Morrison Street

Portland, Oregon 97205 Telephone: (503) 222-3613

6. Number of applications: 1

6. Number of apprexions. 1

7. PTO Form 2038 authorizing credit card payment for the \$40 recordal fee is enclosed

 To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Respectfully submitted,
MARGER JOHNSON & NACCOLL

COPY OF ORIGINAL

By Alexander

Alexander C.

MARGER JOHNSON & McCOLLOM, P.C. 1030 SW Morrison Street

Portland, Oregon 97205 (503) 222-3613

Fax: (503) 274-4622

cc: K. Asahi (MTM-72-US)

Total number of pages including cover sheet, attachments and documents: 4

Reg. No. 29,396

PAGE 6/8 * RCVD AT 9/9/2004 4:19:30 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/6 * DNIS:8729306 * CSID:5032744622 * DURATION (mm-ss):14-08

COPY OF CRIGINAL DO NOT RECORD

PATENT APPLICATION Attorney's Do. No. 5854-32

ASSIGNMENT

Assignor: Kenichi FURUKAWA

c/o Mitsumi Electric Co., Ltd.,

Atsugi Operations Base, 1601, Sakai, Atsugi-shi, Kanagawa, JAPAN

Yuichi MAEKAWA

c/o Mitsumi Electric Co., Ltd.,

Atsugi Operations Base, 1601, Sakai,

Atsugi-shi, Kanagawa, JAPAN

COPY OF ORIGINAL ASSIGNMENT DO NOT RECORD

Assignee:

MITSUMI ELECTRIC CO., LTD.

2-11-2, Tsurumaki, Tama-shi, Tokyo, JAPAN

Title of

Invention:

METHOD FOR ADJUSTING FOCUS BIAS IN OPTICAL DISC DRIVE

AND OPTICAL DISC DRIVE THAT CAN IMPLEMENT THE

METHOD

U.S. Patent Application:

Application Serial No.:

10/815,175

Filing Date:

2March 26, 2004

COPY OF ORIGINAL ASSIGNMENT DO NOT RECORD

For good and valuable consideration, the receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to Assignee, the full and exclusive right, title and interest in and to the above-identified invention, patent application and patent rights throughout the world, including foreign patent priority rights; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues, non-provisionals and extensions thereof, to be held and enjoyed by Assignee, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and covenant that Assignor has full right so to do, and agree that Assignor will communicate to Assignee, or its successors and assigns, any facts known to Assignor respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, non-provisional and reissue applications, make all rightful oaths, and do everything possible to aid Assignee, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

In the event that the patent application filing date or serial number is not known at the time this document is executed, Assignor hereby grants permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this assignment after such information is added.

Executed at Kanagawa, Japan, this 1st day of April , 2004.

Assignor: Kenichi FURUKAWA

Xonichi Fratukawa

Executed at Kanagawa, Japan, this 30th day of Capal Cope.

Michi Smachawa.

Assignor: Yuichi MAEKAWA

COPY OF ORIGINAL ASSIGNMENT DO NOT PEO